University of Minnesota

THE MEDICAL SCHOOL
MINNEAPOLIS 14

DEPARTMENT OF BACTERIOLOGY
AND IMMUNOLOGY

May 2, 1957.

Dear Josh and Esther:

Welcome back to the U.S.A. Berhaps you too have grass to cut by now. Even a few feaves on the trees to shale the house. It won't be long until you will be ff to the land of the known winter well in spite kongarog. We have survived the Minness to winter well in spite of chicken pox (December) messless (February) and mumps (April). The latter was most persistent although not severe.

We understand that you, Josh, have been elected to the National Academy of Science. My most sincere conquirelections. No finer gentlemen now talented scientist could be chosen.

I went to the S.A.B. Fortunately of stayed only 2's days, which of find to be my limit of endurance. The paper lacked content but always able to talk at length with content but and Clark and Webb. The claims for Szybalski and Clark and Webb. The claims for recombination in Nocondia (Clark Webb) are broad upon the "cross" white rough X red smooth

The trouble is they admit that the red smooth produces don't red month, yellow smooth and white smooth variants spontaneously. They white smooth much about nates of reversion but it is in the 7s. In other words, there is probably no lividence transcentistion in this system. Webb is in Argonne at Lemont Illinois now.

Szybolski is now uporting on 5 feadine. He has found the variation is old heterskammens which of tollyon about earlier - i.e. that and heterskammens produce non-parental dissociates. Naturally be calle these recombinants. It might be abled that some of his non-prototroplic recombinants occur in the crosses at a lower frequency than the severaions in the cartists. He does have one good tit of evidence for recombination which al have not obtained. In both 5. coelicator of 5. traliae Szybaldi has 5R manhera which he say yield affect results according to the polarity of the cross. Hence; ASS X BSR ASE X BSS

all Ss This is contradictory to my results wherein the pertotrophic progen to are always 55. The dissociates shouther 5M coming out with the appropriate parental markers? I have another 5K which parental markers? recovered in the appropriate parental type, alteratively think of it as a cytoplasmic SR. Needless to say other possibilities exist + I have much to do with it before I can decide.

all's R

We are looking for other markers in S. coelicson. We tried for carbohydrate utilization again to failed. So of have been forced to resistance markers at present of have penicilling. sulfa, tacitacias alle and propriorica aid.

I don't like them but clamaterial to use U.V. on these stocks any more. I have night mares about inversions, translocation, etc.

another developmentis that not all strains of Schelicolor can be too kamptize other strains.

so 114 +124 -> +++
136 +124 -> +++

128 + 124 - 7 +++

1144124 of comman 128) each of 136 different

136 +128 -7 +++

114 + 128 -7 -

Looks a little like the f system. 114 dissociates of 114X124 are still infertile with 128 and 136.

We have trifled with the player (streptomyces player) with out vost interest. They have the advantage with out vost interest. It has all day to do an experiment.

Andre of Ruteura has admitted that there some difference between streptomica to the the Nocardia next paper: Senetic studies on Novardia next paper: Senetic Mass Wabsman may be present of N. coelistos. Alas Wabsman may be a genus.

you will have to forgive me for this long letter. I trust that allowe not over extended my record in England. He writes if you perchanced to see Hopwood in England. He writes that he is constructing history maps, which of this he should. But it is apparent to me that with the should. But it is apparent to me that with the selected conlitions operating even in supplemental selected conlitions operating even in supplemental media, a limber of map will be valid only to order if that

We were shocked that Melathy's "serious but uneamplicated hepatitis" was so rapselly fatel. We cannot help but express somew to his wife and (adjeted) chill.

We hope to hear of you soon and trust that we will be able to get together som. I need toget away from the pressure occasionally. I have not yet dealed to sell my soul to cellucature genetics.

Dan very best wisher to you t yours

skylen.